

## Product Datasheet

### 5-Propargylamino-ddCTP (ATTO-633) (orb64846)

|                          |                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | 5-Propargylamino-ddCTP conjugated to ATTO-633.                                                                                                                          |
| <b>Form/Appearance</b>   | solution in water; Color: blue; pH: 7.5 ± 0.5                                                                                                                           |
| <b>Concentration</b>     | 1.0 mM-1.1 mM                                                                                                                                                           |
| <b>Storage</b>           | store at -20 °C                                                                                                                                                         |
| <b>Note</b>              | For research use only                                                                                                                                                   |
| <b>Application notes</b> | <b>Spectroscopic Propertie:</b> λ <sub>exc</sub> 630 nm, λ <sub>em</sub> 651 nm, ε 130.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                       |
| <b>Formula</b>           | C <sub>47</sub> H <sub>58</sub> N <sub>7</sub> O <sub>14</sub> P <sub>3</sub>                                                                                           |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                            |
| <b>MW</b>                | Theoretical MW: 1037.94 g/mol (free acid); Detected MW: 1037.33 g/mol (free acid)                                                                                       |
| <b>SMILES</b>            | <chem>C1C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)([O-])O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCN(C(=O)c1c(C2=C3C(=CC(=[N+](C)C)C=C3)C(c3c2cc2c(c3)N(CCC2)CC)(C)C)cccc1)C)N</chem> |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                         |